

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

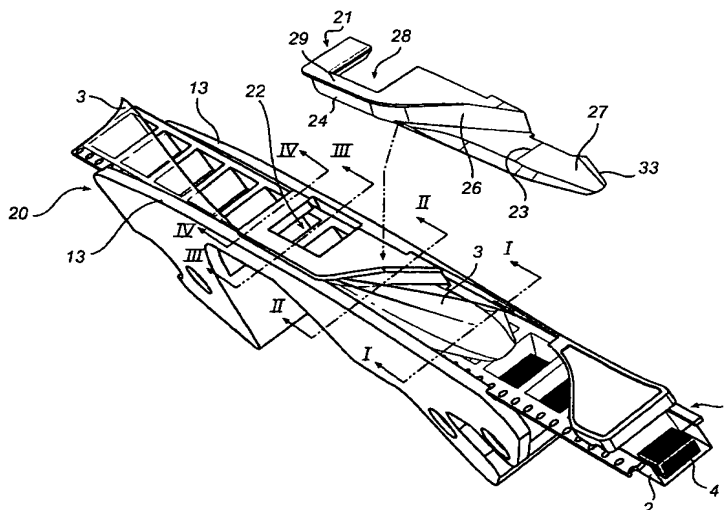
PCT

(10) International Publication Number
WO 2005/046302 A1

- (51) International Patent Classification⁷: **H05K 13/02**
- (21) International Application Number:
PCT/EP2004/012418
- (22) International Filing Date:
3 November 2004 (03.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03025596.2 7 November 2003 (07.11.2003) EP
- (71) Applicant (for all designated States except US): MY-DATA AUTOMATION AB [SE/SE]; Adolfsbergsvägen 11, S-168 66 Bromma (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LARSSON, Andreas [SE/SE]; Odinsplatsen 3A, S-411 02 Göteborg (SE). PALALIC, Miladin [SE/SE]; Eldsbergagränd 10, S-125 73 Älvsjö (SE).
- (74) Agent: AWAPATENT AB; Box 45086, S-104 30 Stockholm (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: A METHOD AND DEVICE FOR EXPOSING ELECTRONIC COMPONENTS



(57) Abstract: A method of exposing components, which are carried by a carrier tape (2), arranged in sequence along the carrier tape and covered by a cover (3). The cover is attached to the carrier tape having a lower surface facing the sequence of components. The method is performed by, while feeding the carrier tape towards the picking position, separating a first portion of the cover from a first portion (31) of the carrier tape. Thereafter, guiding a thus loosened portion of the cover towards the second side of the carrier tape. Performing said guiding such that before reaching the picking position, while being raised to an upright position, the cover is automatically gathered by being folded, so that at least two portions of the lower surface of the cover face each other, thereby reducing the height of the cover.

WO 2005/046302 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.